

*CLAIM AMENDMENTS*

1.-20. (Cancelled)

21. (Currently Amended) A polypeptide comprising an amino acid sequence selected from the group consisting of QWDFGNTMCQLLTGLYFIGFFS (SEQ ID NO: 12), SQYQFWKNFQTLKIVILG (SEQ ID NO: 13), APYNIVLLLNTFQEFFGLNNCS (SEQ ID NO: 14), YAFVGEKFRNYLLVFFQK (SEQ ID NO: 15), and SEQ ID NOS: 12-15 with up to 6 conservative or neutral amino acid substitutions, wherein the polypeptide binds with HIV gp120 under physiological conditions and comprises less than 100 contiguous amino acid residues that are identical to ~~or substantially identical to~~ the amino acid sequence of the human CCR5 chemokine receptor.

22.-59. (Cancelled)

60. (Previously Presented) A composition comprising the polypeptide of claim 21 and a carrier.

61.-69. (Cancelled)

70. (Previously Presented) The polypeptide of claim 21, wherein the polypeptide comprises QWDFGNTMCQLLTGLYFIGFFS (SEQ ID NO: 12).

71. (Previously Presented) The polypeptide of claim 21, wherein the polypeptide comprises SQYQFWKNFQTLKIVILG (SEQ ID NO: 13).

72. (Previously Presented) The polypeptide of claim 21, wherein the polypeptide comprises APYNIVLLLNTFQEFFGLNNCS (SEQ ID NO: 14).

73. (Previously Presented) The polypeptide of claim 21, wherein the polypeptide comprises YAFVGEKFRNYLLVFFQK (SEQ ID NO: 15).

74. (Previously Presented) The polypeptide of claim 21, wherein the polypeptide comprises QWDFGNTMCQLLTGLYFIGFFS (SEQ ID NO: 12) with up to 6 conservative or neutral amino acid substitutions.

75. (Previously Presented) The polypeptide of claim 21, wherein the polypeptide comprises SQYQFWKNFQLKIVILG (SEQ ID NO: 13) with up to 6 conservative or neutral amino acid substitutions.

76. (Previously Presented) The polypeptide of claim 21, wherein the polypeptide comprises APYNIVLLLNTFQEFGNNCS (SEQ ID NO: 14) with up to 6 conservative or neutral amino acid substitutions.

77. (Previously Presented) The polypeptide of claim 21, wherein the polypeptide comprises YAFVGEKFRNYLLVFFQK (SEQ ID NO: 15) with up to 6 conservative or neutral amino acid substitutions.

78. (Previously Presented) A composition comprising the polypeptide of claim 70 and a carrier.

79. (Previously Presented) A composition comprising the polypeptide of claim 71 and a carrier.

80. (Previously Presented) A composition comprising the polypeptide of claim 72 and a carrier.

81. (Previously Presented) A composition comprising the polypeptide of claim 73 and a carrier.

82. (Previously Presented) A composition comprising the polypeptide of claim 74 and a carrier.

83. (Previously Presented) A composition comprising the polypeptide of claim 75 and a carrier.

84. (Previously Presented) A composition comprising the polypeptide of claim 76 and a carrier.

85. (Previously Presented) A composition comprising the polypeptide of claim 77 and a carrier.